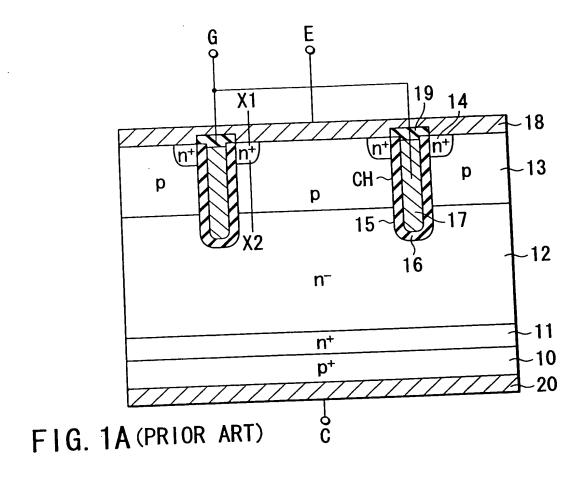
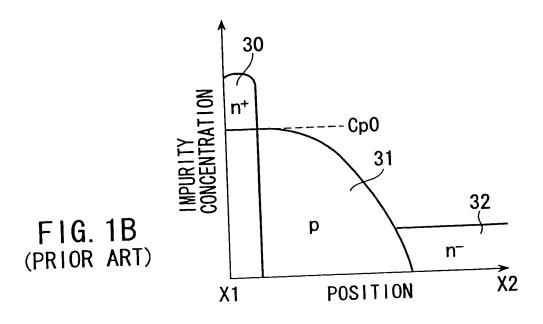
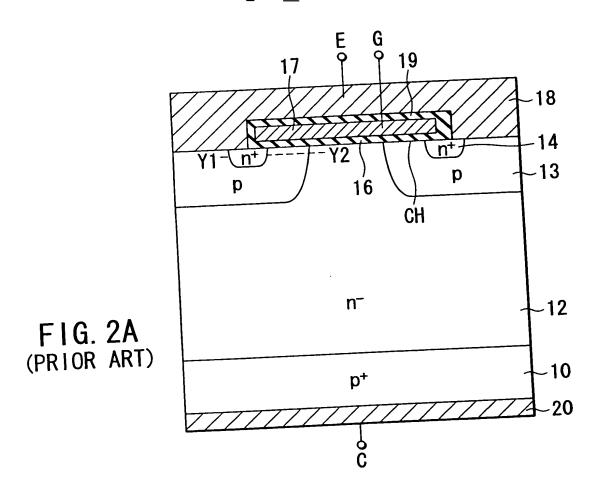
OBLON, SPIVAK ET AL.

DOCKET #244278US2S DIV
INV: HATTORI ET AL.
SHEET 1 OF 40





OBLON, SPIVAK ET AL. DOCKET #244278US2S DIV INV: HATTORI ET AL. SHEET <u>2</u> OF <u>40</u>



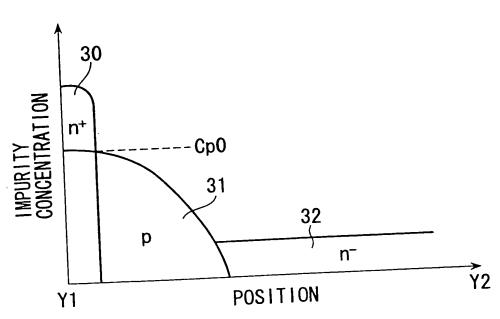
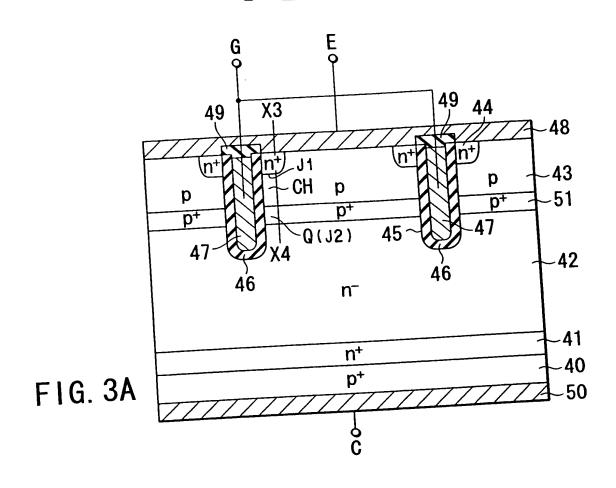
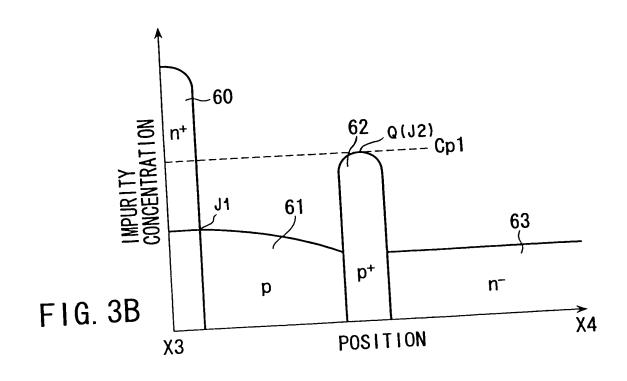


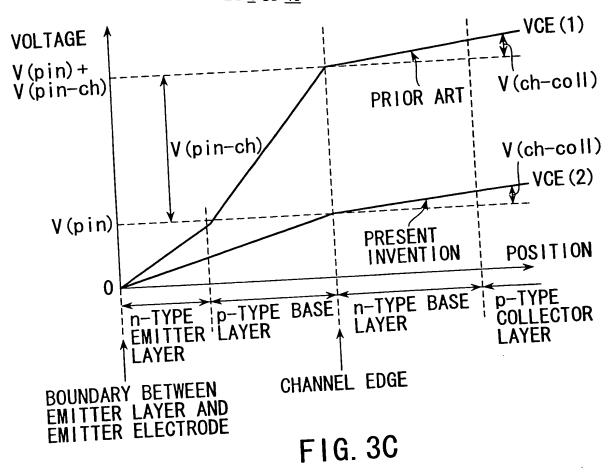
FIG. 2B (PRIOR ART)

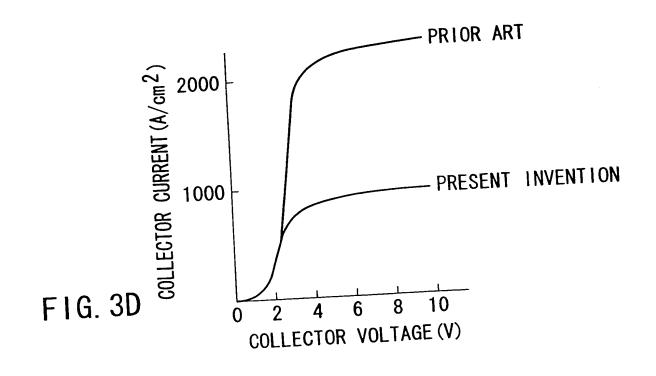
OBLON, SPIVAK ET AL. DOCKET #244278US2S DIV INV: HATTORI ET AL. SHEET <u>3</u> OF <u>40</u>



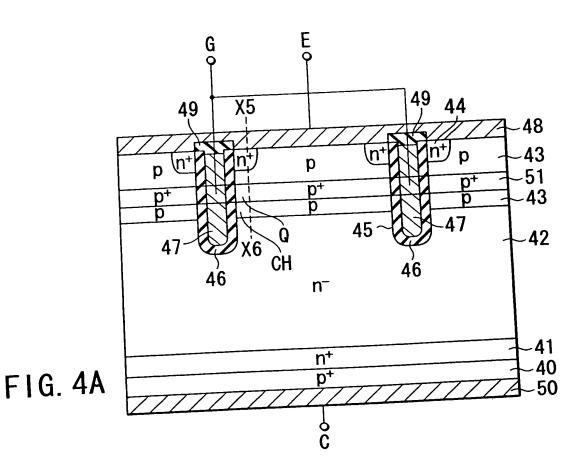


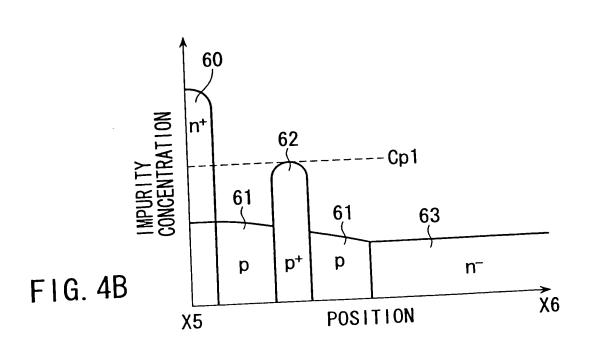
OBLON, SPIVAK ET AL. DOCKET #244278US2S DIV INV: HATTORI ET AL. -SHEET 4 OF 40



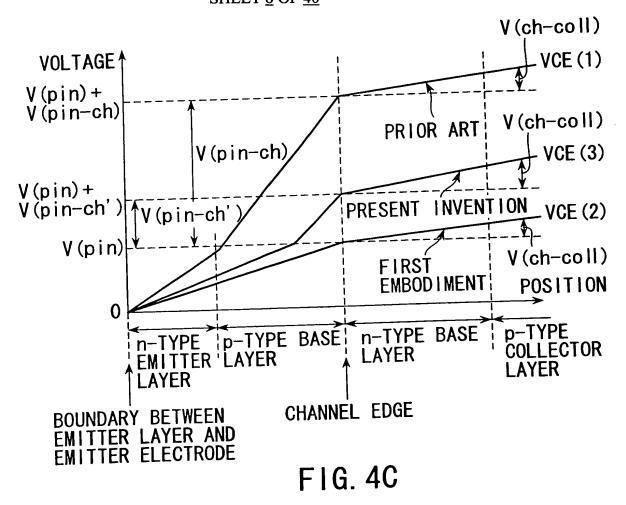


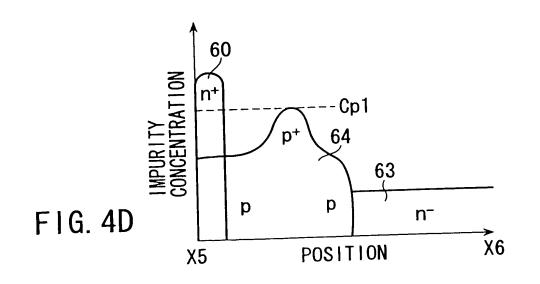
.OBLON, SPIVAK ET AL. DOCKET #244278US2S DIV INV: HATTORI ET AL. SHEET <u>5</u> OF <u>40</u>



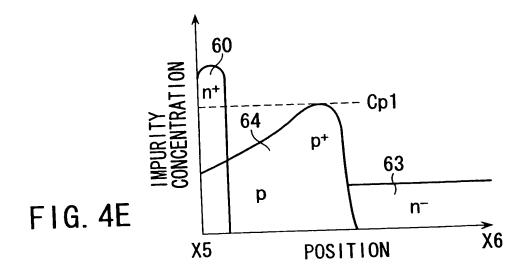


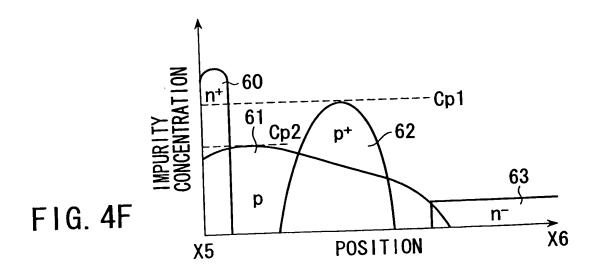
OBLON, SPIVAK ET AL. DOCKET #244278US2S DIV INV: HATTORI ET AL. SHEET <u>6</u> OF <u>40</u>

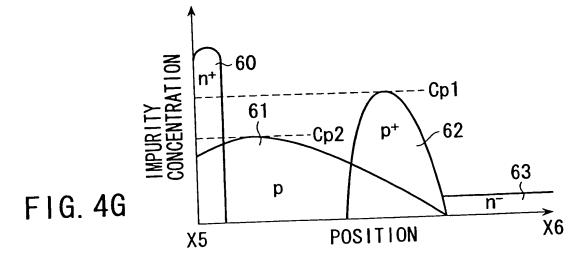




OBLON, SPIVAK ET AL. DÖCKET #244278US2S DIV INV: HATTORI ET AL. SHEET <u>7</u> OF <u>40</u>

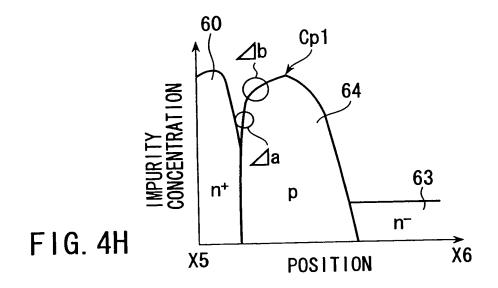






OBLON, SPIVAK ET AL. **DOCKET #244278US2S DIV** INV: HATTORI ET AL.

SHEET <u>8</u> OF <u>40</u>



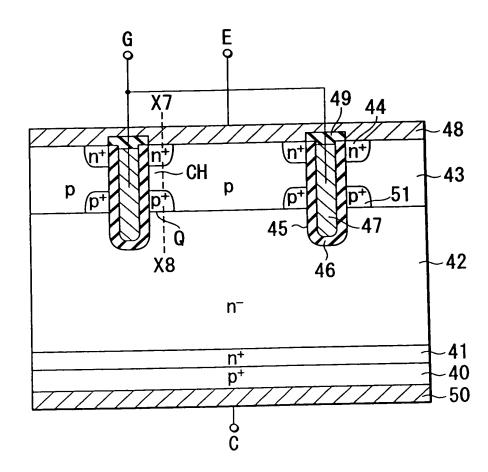


FIG. 5

OBLON, SPIVAK ET AL. DOCKET #244278US2S DIV INV: HATTORI ET AL. SHEET <u>9</u> OF <u>40</u>

E P G 49 44 48 n+ 43 -51 p⁺ 47 45 52 -42 X10 n--41 n+ p+ 40 50

FIG. 6 C

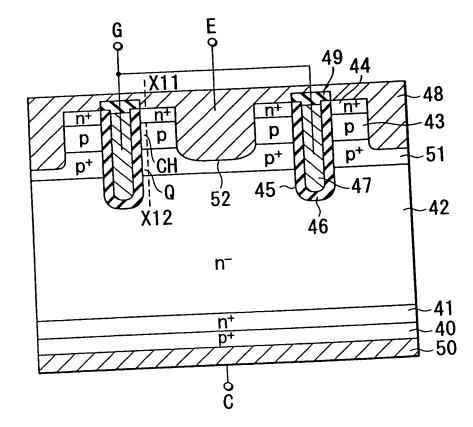
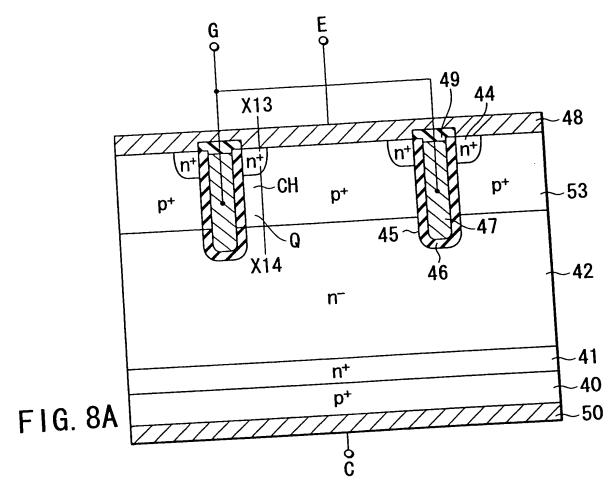
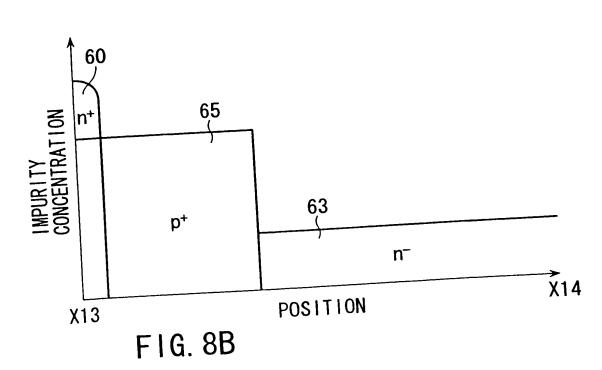


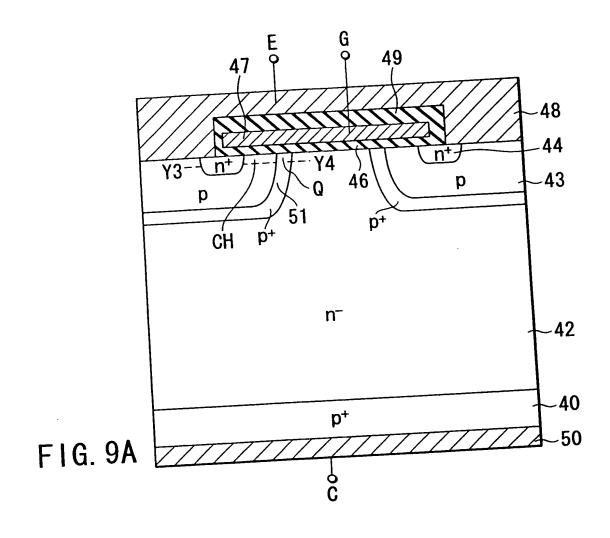
FIG. 7

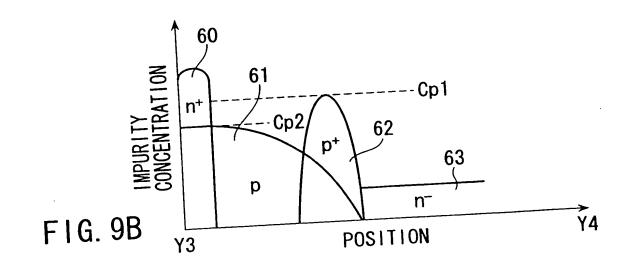
OBLON, SPIVAK ET AL. **DOCKET #244278US2S DIV** INV: HATTORI ET AL. SHEET 10 OF 40





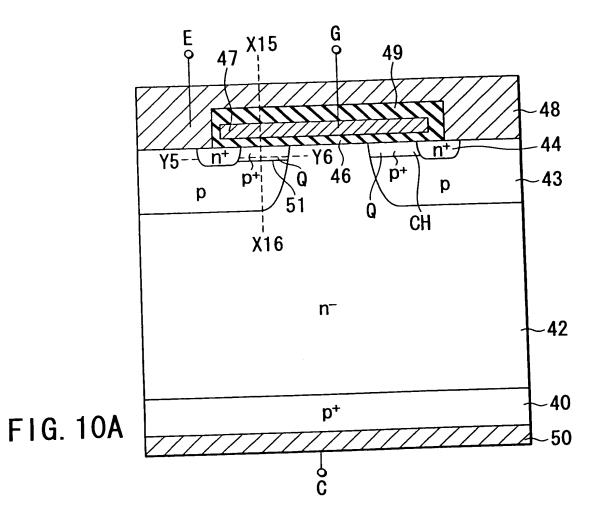
OBLON, SPIVAK ET AL. DOCKET #244278US2S DIV INV: HATTORI ET AL. SHEET 11 OF 40

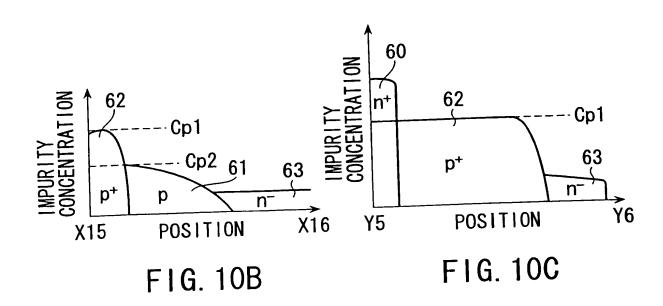




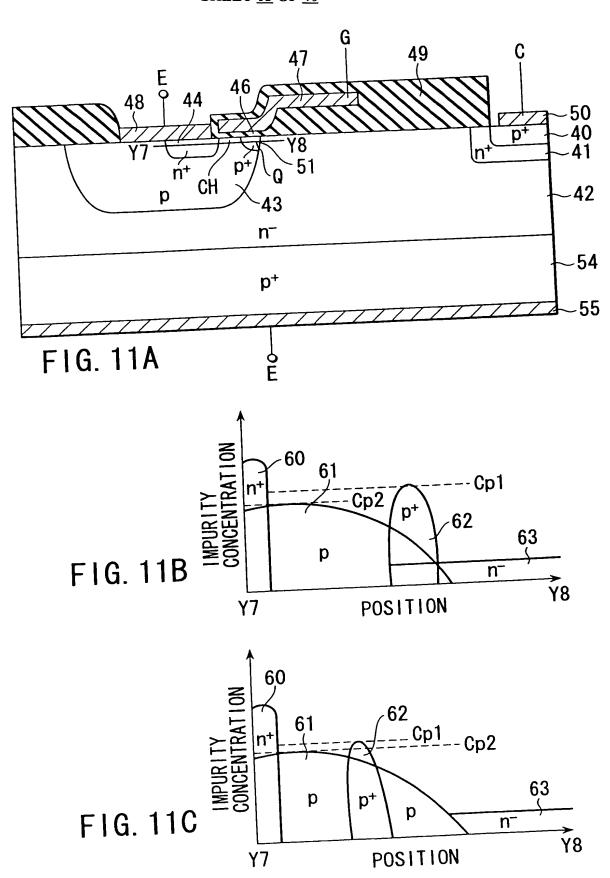
OBLON, SPIVAK ET AL. **DOCKET #244278US2S DIV** INV: HATTORI ET AL.

SHEET 12 OF 40

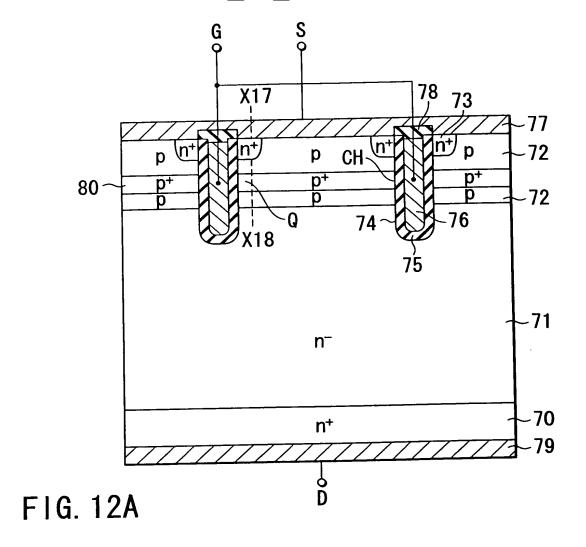


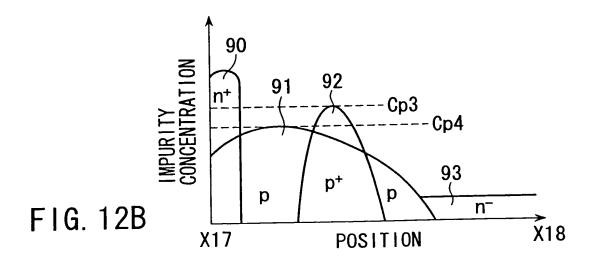


OBLON, SPIVAK ET AL. DOCKET #244278US2S DIV INV: HATTORI ET AL. SHEET <u>13</u> OF <u>40</u>

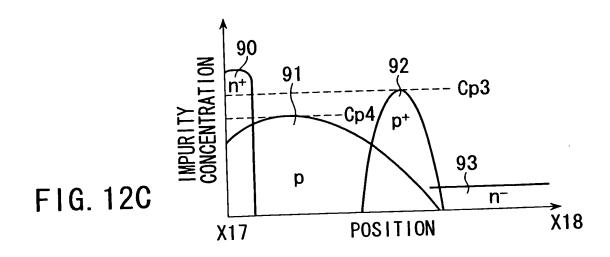


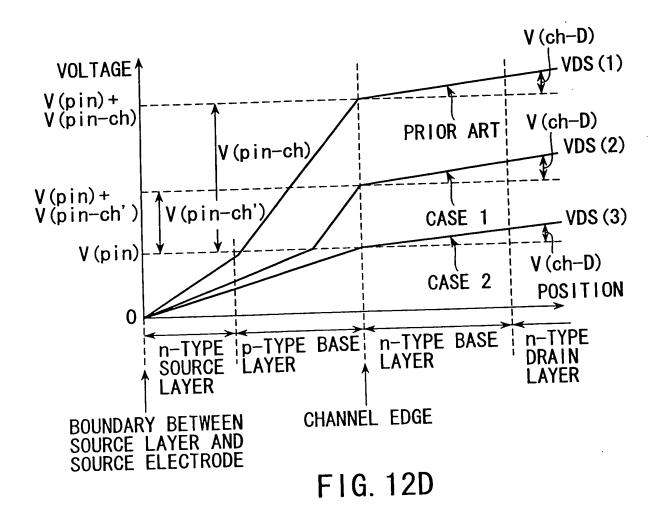
OBLON, SPIVAK ET AL. DOCKET #244278US2S DIV INV: HATTORI ET AL. SHEET <u>14</u> OF <u>40</u>



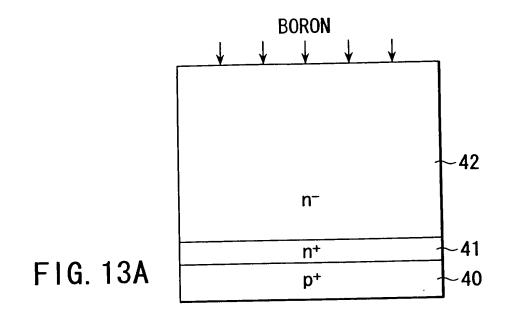


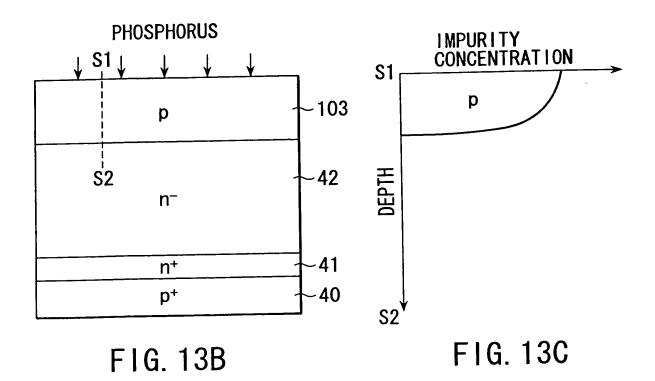
OBLON, SPIVAK ET AL. DOCKET #244278US2S DIV INV: HATTORI ET AL. SHEET <u>15</u> OF <u>40</u>



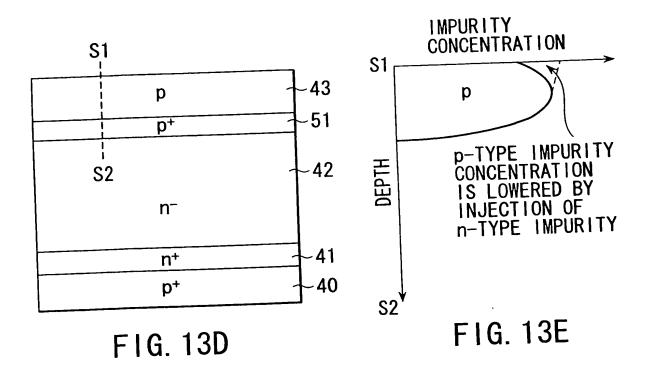


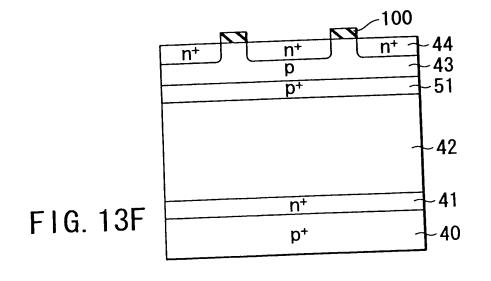
OBLON, SPIVAK ET AL. DOCKET #244278US2S DIV INV: HATTORI ET AL. SHEET <u>16</u> OF <u>40</u>





OBLON, SPIVAK ET AL. DOCKET #244278US2S DIV INV: HATTORI ET AL. SHEET <u>17</u> OF <u>40</u>





OBLON, SPIVAK ET AL.

DOCKET #244278US2S DIV
INV: HATTORI ET AL.
SHEET 18 OF 40

 n^-

n+

p⁺

45

-42

-41

-40

FIG. 13G

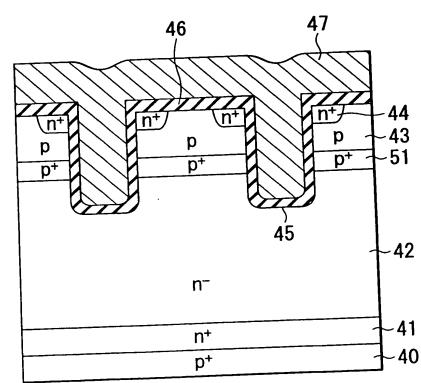
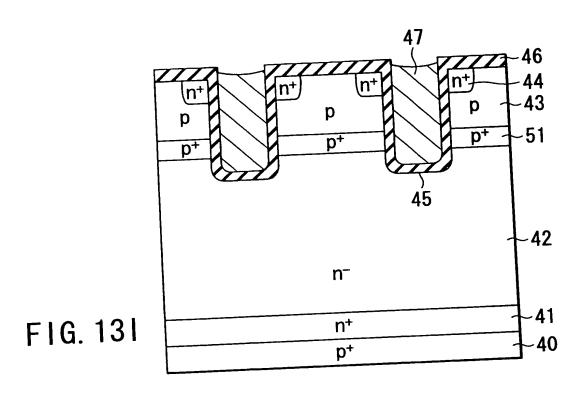


FIG. 13H

OBLON, SPIVAK ET AL. DOCKET #244278US2S DIV INV: HATTORI ET AL. SHEET 19 OF 40



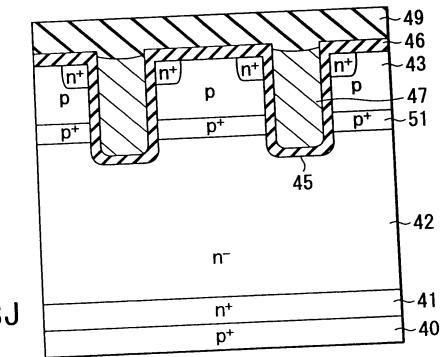
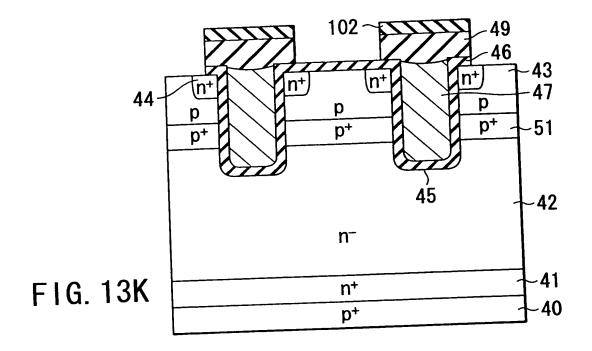
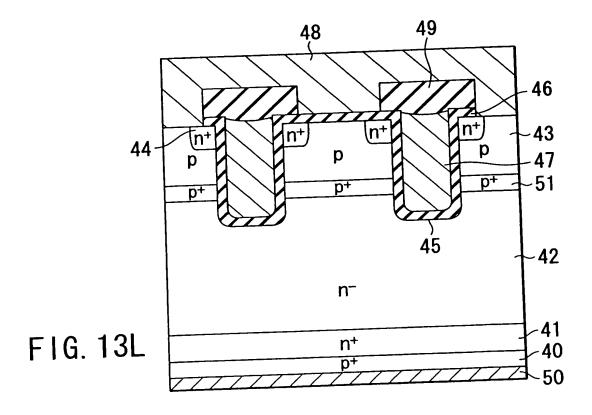


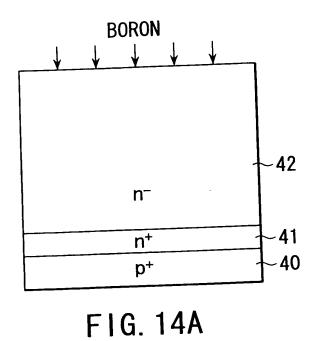
FIG. 13J

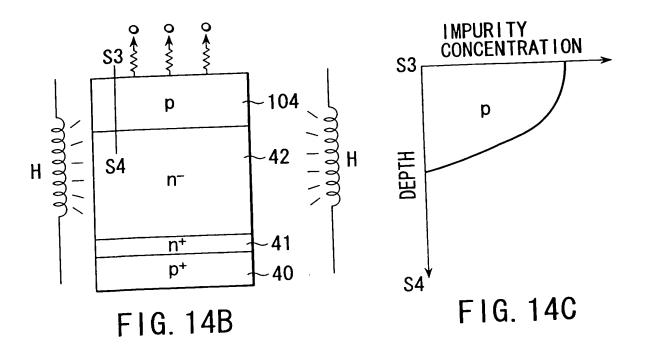
OBLON, SPIVAK ET AL. DOCKET #244278US2S DIV INV: HATTORI ET AL. SHEET <u>20</u> OF <u>40</u>





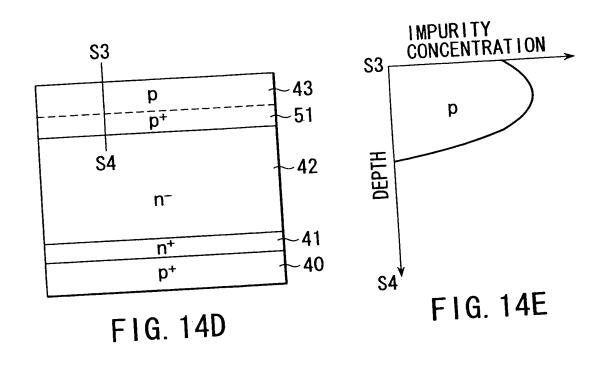
OBLON, SPIVAK ET AL. DOCKET #244278US2S DIV INV: HATTORI ET AL. SHEET <u>21</u> OF <u>40</u>

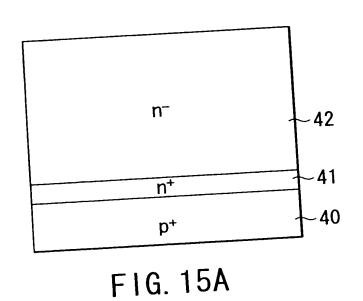




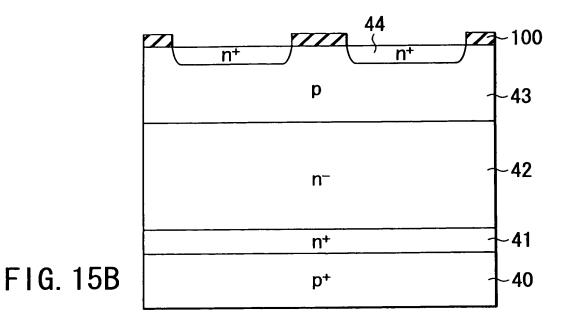
OBLON, SPIVAK ET AL. DOCKET #244278US2S DIV INV: HATTORI ET AL.

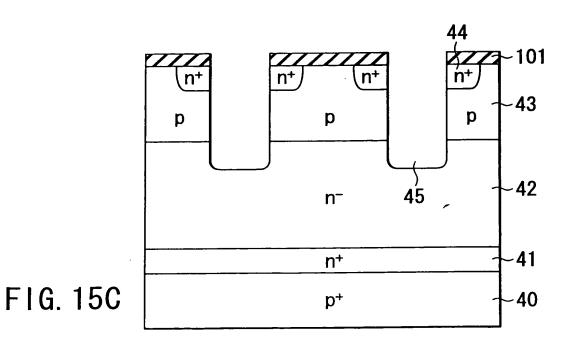
SHEET <u>22</u> OF <u>40</u>



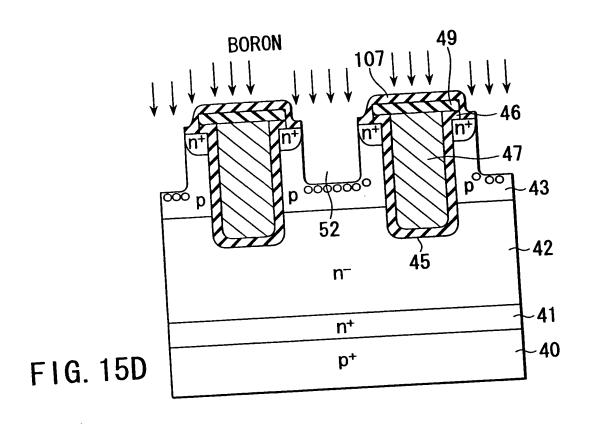


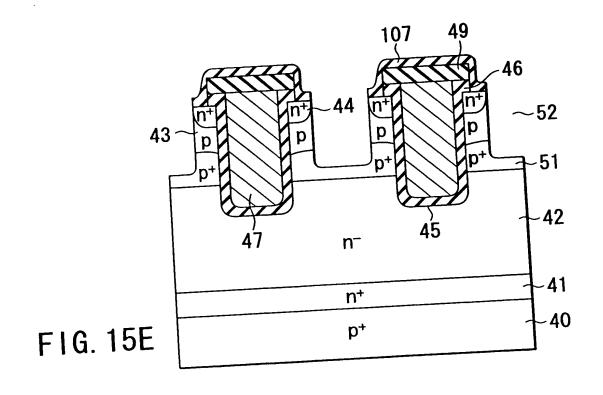
OBLON, SPIVAK ET AL. DOCKET #244278US2S DIV INV: HATTORI ET AL. SHEET <u>23</u> OF <u>40</u>



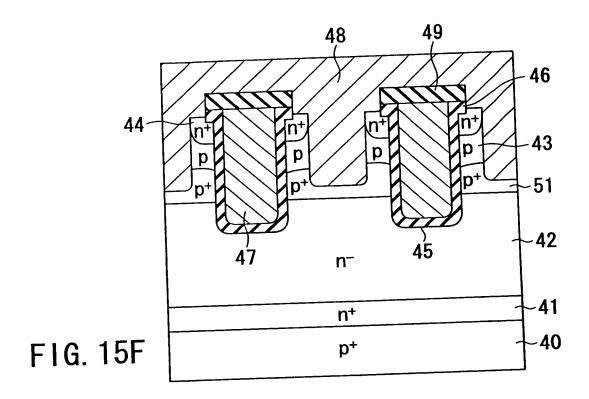


OBLON, SPIVAK ET AL.
DOCKET #244278US2S DIV
INV: HATTORI ET AL.
SHEET 24 OF 40





OBLON, SPIVAK ET AL.
ODOCKET #244278US2S DIV
INV: HATTORI ET AL.
SHEET <u>25</u> OF <u>40</u>



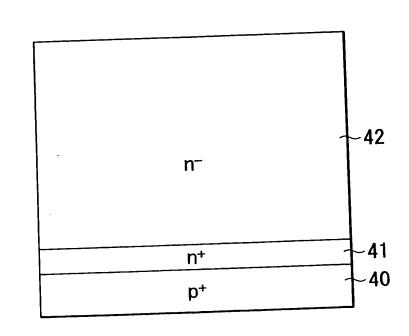
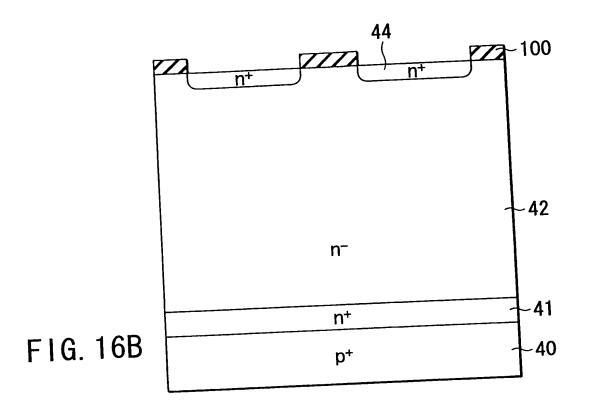
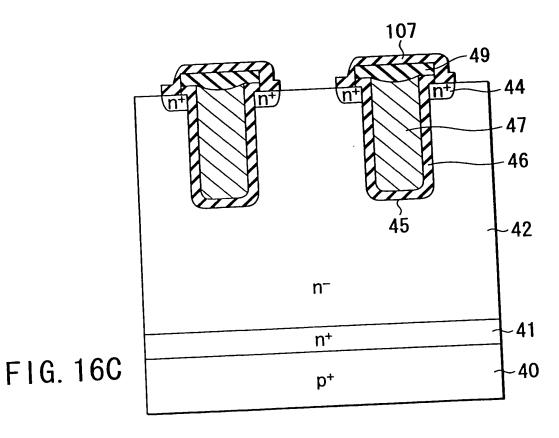


FIG. 16A

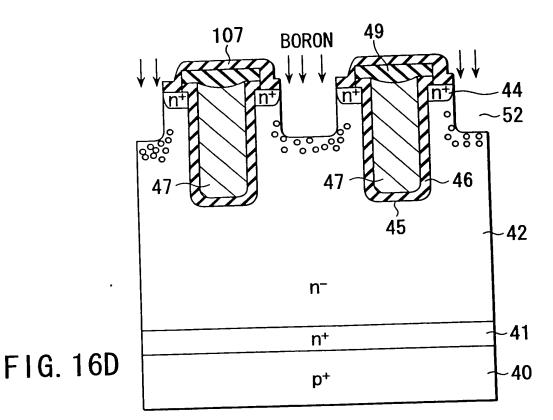
OBLON, SPIVAK ET AL. DOCKET #244278US2S DIV INV: HATTORI ET AL. SHEET <u>26</u> OF <u>40</u>





OBLON, SPIVAK ET AL.

DOCKET #244278US2S DIV
INV: HATTORI ET AL.
SHEET 27 OF 40



BORON 49 107

NT 107

44

45

45

41

p+

40

FIG. 16E

OBLON, SPIVAK ET AL. '- DOCKET #244278US2S DIV INV: HATTORI ET AL. SHEET <u>28</u> OF <u>40</u>

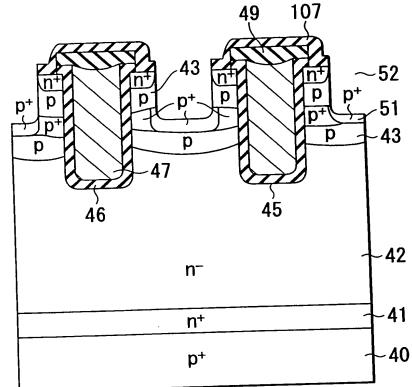


FIG. 16F

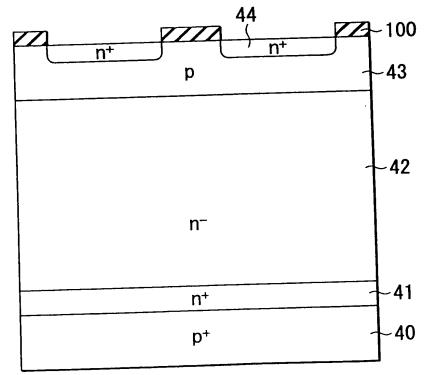
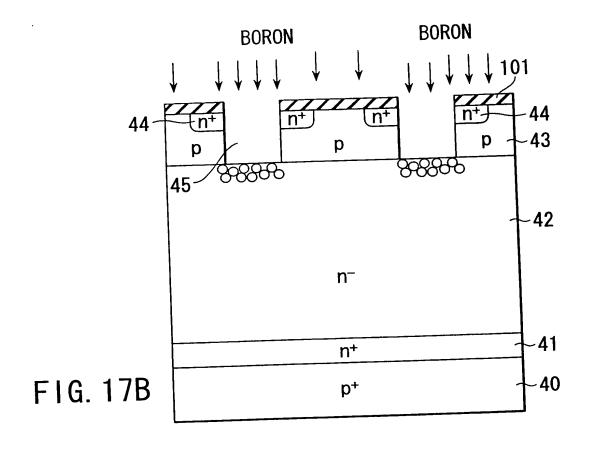
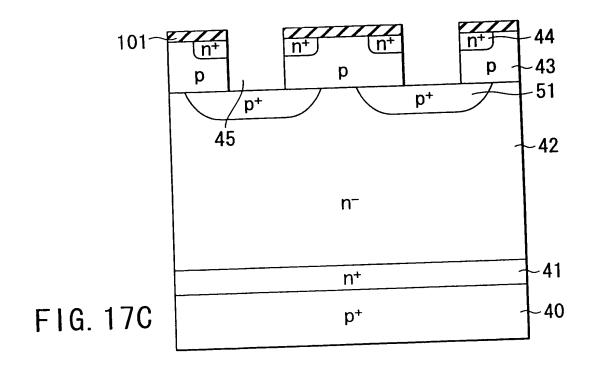


FIG. 17A

OBĻON, SPIVAK ET AL. DOCKET #244278US2S DIV INV: HATTORI ET AL.

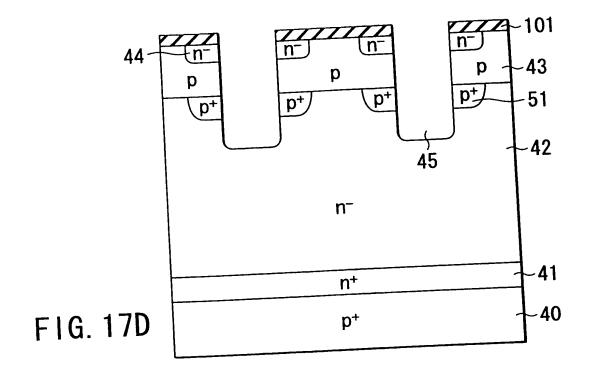
SHEET 29 OF 40

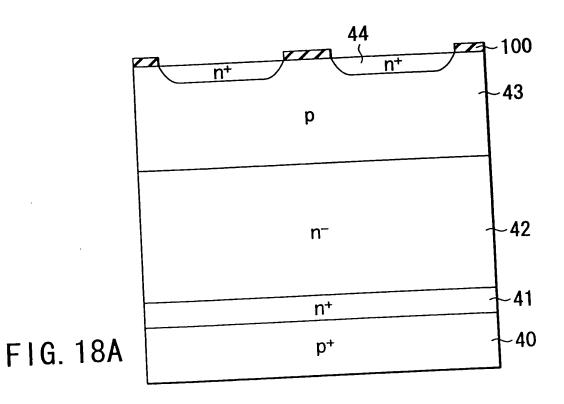




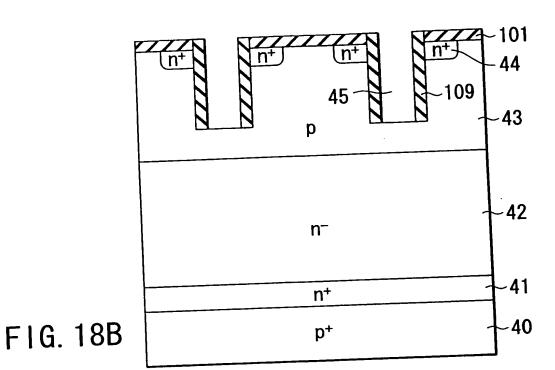
OBLON, SPIVAK ET AL.

DOCKET #244278US2S DIV
INV: HATTORI ET AL.
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QBLON, SPIVAK ET AL. DOCKET #244278US2S DIV INV: HATTORI ET AL. SHEET 31 OF 40



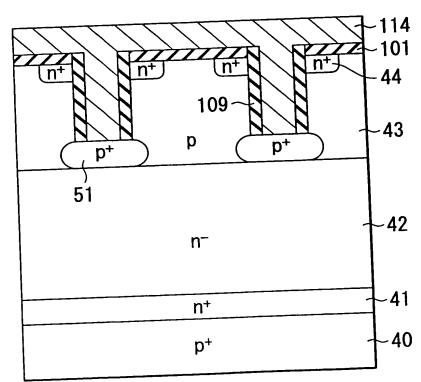


FIG. 18C

OBLON, SPIVAK ET AL. DOCKET #244278US2S DIV INV: HATTORI ET AL. SHEET <u>32</u> OF <u>40</u>

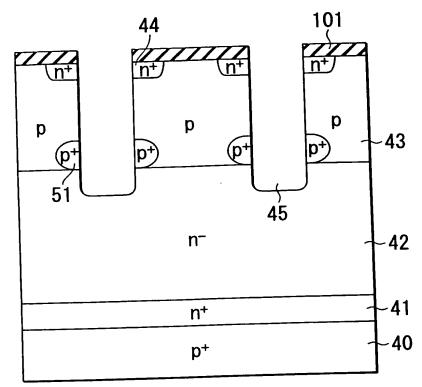


FIG. 18D

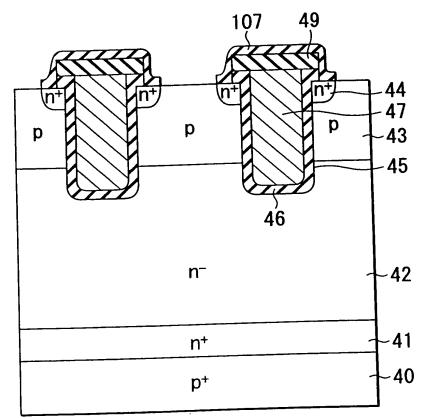
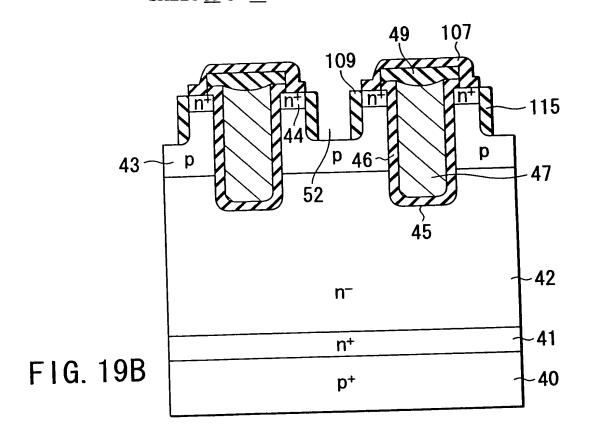
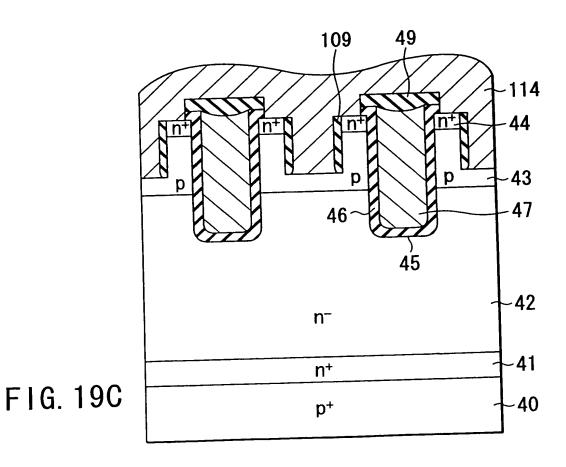


FIG. 19A

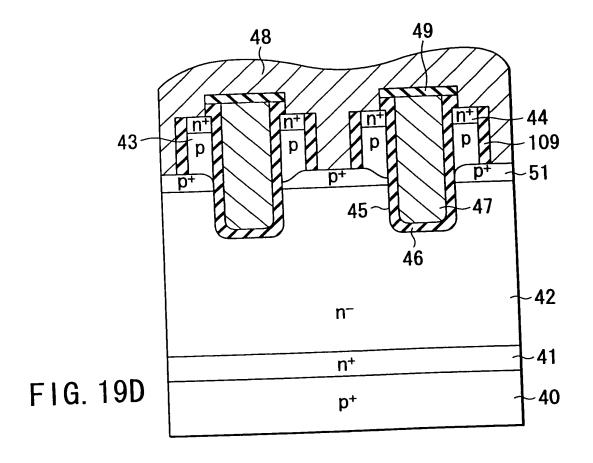
OBLON, SPIVAK ET AL. DOCKET #244278US2S DIV INV: HATTORI ET AL. SHEET <u>33</u> OF <u>40</u>

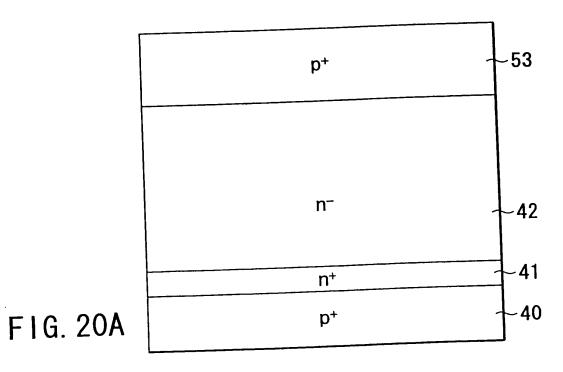




OBLON, SPIVAK ET AL. DOCKET #244278US2S DIV INV: HATTORI ET AL.

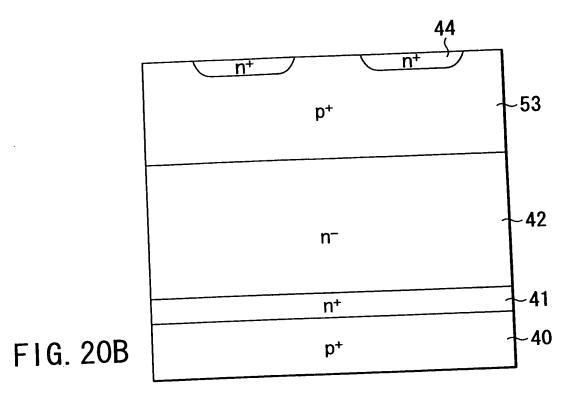
SHEET <u>34</u> OF <u>40</u>





OBLON, SPIVAK ET AL. **DOCKET #244278US2S DIV** INV: HATTORI ET AL.

SHEET 35 OF 40



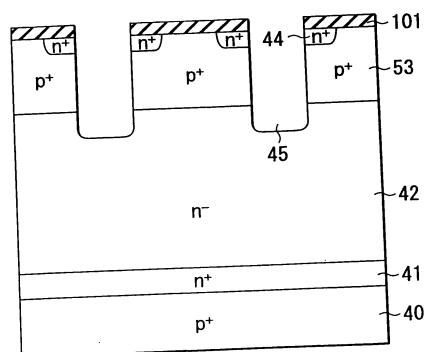


FIG. 20C

OBLON, SPIVAK ET AL.

DOCKET #244278US2S DIV
INV: HATTORI ET AL.
SHEET 36 OF 40

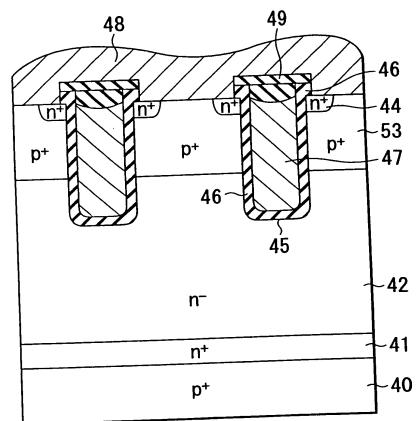


FIG. 20D

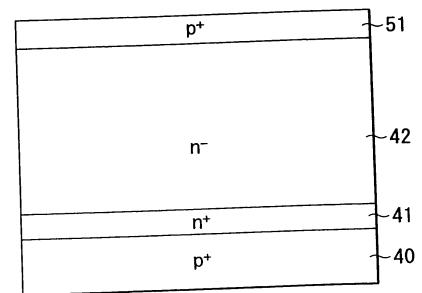
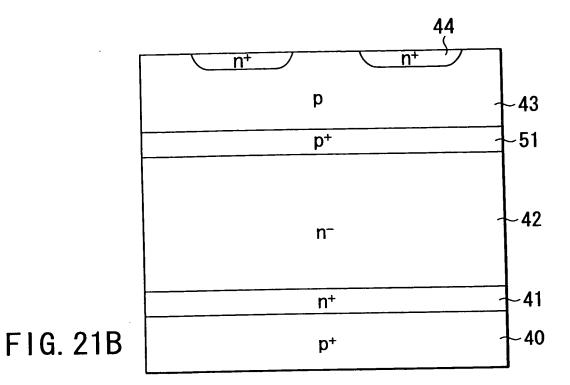


FIG. 21A

OBLON, SPIVAK ET AL. DOCKET #244278US2S DIV INV: HATTORI ET AL.

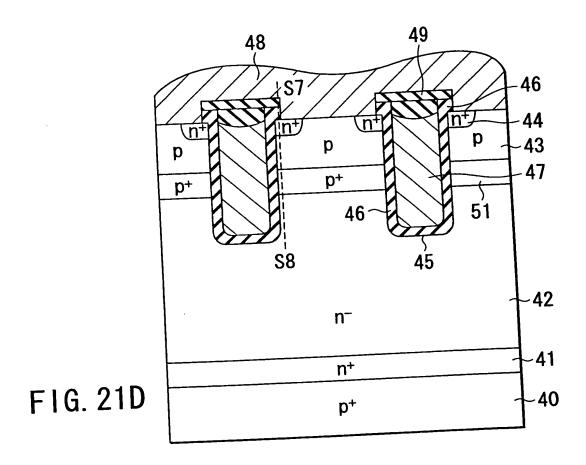
SHEET <u>37</u> OF <u>40</u>

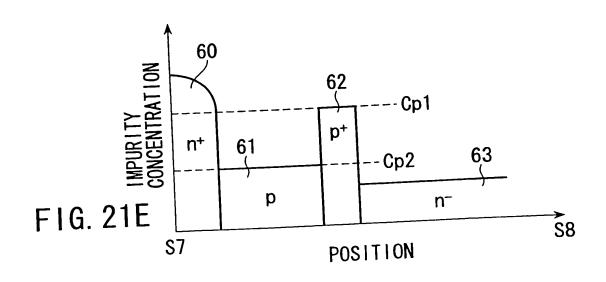


-101 44 43 p p p p⁺ -51 p+ p+ 45 -42 n--41 n+ -40 p⁺

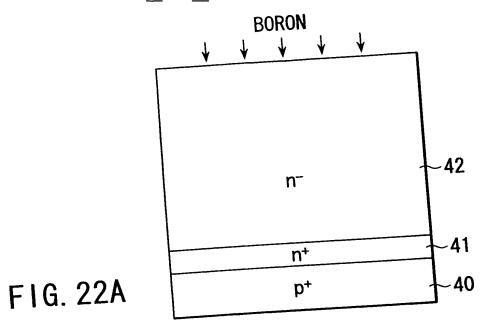
FIG. 21C

OBLON, SPIVAK ET AL. DOCKET #244278US2S DIV INV: HATTORI ET AL. SHEET <u>38</u> OF <u>40</u>





OBLON, SPIVAK ET AL. DOCKET #244278US2S DIV INV: HATTORI ET AL. SHEET <u>39</u> OF <u>40</u>



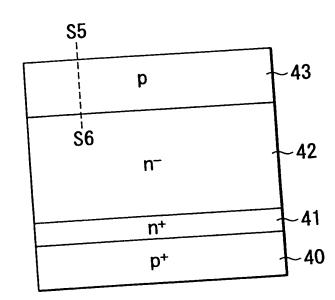


FIG. 22B

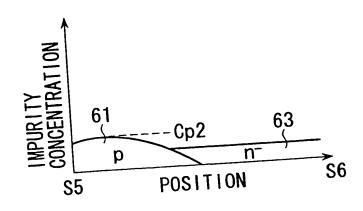


FIG. 22C

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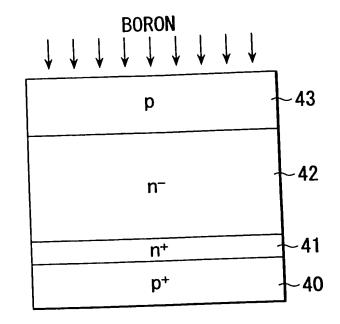


FIG. 22D

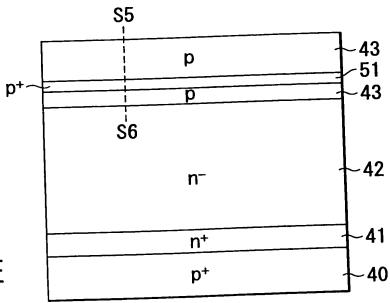


FIG. 22E

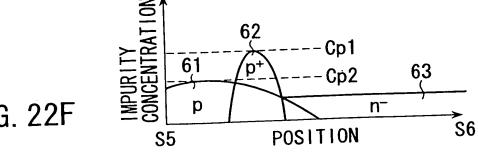


FIG. 22F